```
File    9:Business & Industry(R) Jul/1994-2004/May 24
          (c) 2004   The Gale Group
File   15:ABI/Inform(R) 1971-2004/May 24
          (c) 2004 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2004/May 25
          (c) 2004 The Gale Group
File   20:Dialog Global Reporter 1997-2004/May 24
          (c) 2004 The Dialog Corp.
File   47:Gale Group Magazine DB(TM) 1959-2004/May 24
          (c) 2004 The Gale group
File   75:TGG Management Contents(R)  86-2004/May W3
          (c) 2004 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1986-2004/May 25
          (c) 2004 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2004/May 24
          (c) 2004 The Gale Group
File   98:General Sci Abs/Full-Text 1984-2004/May
          (c) 2004 The HW Wilson Co.
File  112:UBM Industry News 1998-2004/Jan 27
          (c) 2004 United Business Media
File  141:Readers Guide 1983-2004/May
          (c) 2004 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2004/May 25
          (c)2004 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2004/May 25
          (c) 2004 The Gale Group
File  264:DIALOG Defense Newsletters 1989-2004/May 24
          (c) 2004 The Dialog Corp.
File  484:Periodical Abs Plustext 1986-2004/May W3
          (c) 2004 ProQuest
File  553:Wilson Bus. Abs. FullText 1982-2004/May
          (c) 2004 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2004/May 25
          (c) 2004 The Gale Group
File  608:KR/T Bus.News. 1992-2004/May 25
          (c)2004 Knight Ridder/Tribune Bus News
File  620:EIU:Viewswire 2004/May 24
          (c) 2004 Economist Intelligence Unit
File  613:PR Newswire 1999-2004/May 25
          (c) 2004 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2004/May 24
          (c) 2004 The Gale Group
File  623:Business Week 1985-2004/May 21
          (c) 2004 The McGraw-Hill Companies Inc
File  624:McGraw-Hill Publications 1985-2004/May 25
          (c) 2004 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2004/May 22
          (c) 2004 San Jose Mercury News
File  635:Business Dateline(R) 1985-2004/May 22
          (c) 2004 ProQuest Info&Learning
File  636:Gale Group Newsletter DB(TM) 1987-2004/May 25
          (c) 2004 The Gale Group
File  647:CMP   Computer Fulltext 1988-2004/May W3
          (c) 2004 CMP Media, LLC
File  696:DIALOG Telecom. Newsletters 1995-2004/May 24
          (c) 2004 The Dialog Corp.
File  674:Computer News Fulltext 1989-2004/May W3
          (c) 2004 IDG Communications
File  810:Business Wire 1986-1999/Feb 28
```

Set	Items	Description
S1	95328	CABLE(3N)(MODEM OR MODULAT?()DEMODULAT?)
S2	18675	(MULTIPLE OR SECTION? OR PORTION? OR PART OR PARTS OR SECT-OR?)(3N)(FRAMES OR FRAME)
S3	11995	PATTERN(3N)MATCH?
S4	8777	ADDRESS(3N)SEGMENT?
S5	7318	VARIOUS(3N)LENGTH?
S6	17861	(BIT OR BYTE OR KILOBYTE? OR MEGABYTE?)(3N)(LENGTH? OR SIZ-E)
S7	6392	WORD(3N)(LENGTH? OR SIZE)
S8	85292	(DATA OR VIDEO)(3N)(SIZE OR VOLUME)
S9	543461	MAC OR MEDIUM()ACCESS()CONTROL
S10	848970	IP OR INTENET()PROTOCOL?
S11	10682	PROTOCOL()IDENTIFIER? OR PID
S12	119523	MPEG OR MOVING()PICTURE()EXPERT()GROUP
S13	4501	INDEX(3N)(ENTRY OR ENTRIES)
S14	856	MULTIMEDIA(5N)CABLE()NETWORK()SYSTEM
S15	2165	AU=(BERNATH, B? OR GOLDENBERG, M? OR BROOKS, J? OR BERNATH B? OR GOLDENBERG M? OR BROOKS J?)
S16	112	S1(3N)PROGRAMMABLE
S17	68117	(GENERAT? OR CREAT?)(3N)(INDEX OR INDICES OR TABLE?)
S18	0	S16(S)S2
S19	27	S16(S)S4:S12
S20	0	S19(S)S3
S21	0	S19(S)(S13 OR S17)
S22	0	S19(S)(INDEX OR INDICES OR TABLE?)
S23	13	RD S19 (unique items)
S24	3	S15 AND S16
S25	0	S24 NOT S19
S26	0	S16(5N)DYNAMIC?
S27	13	S1(S)S2
S28	13	S27 NOT (S19 OR S24)
S29	6	RD S28 (unique items)
S30	0	S1(S)S3
S31	11	S1(S)S4
S32	0	S31(S)S5
S33	1	S1(S)S5
S34	23	S1(S)S6
S35	7	S1(S)S7
S36	72	S1(S)S8
S37	0	S36(S)S13
S38	0	S1(S)S11
S39	646	S1(S)S12
S40	0	S39(S)(S13 OR S17)
S41	104	S31 OR S33 OR S34 OR S36
S42	0	S41(S)PATTERN?
S43	2	S41(S)(INDEX OR INDICES OR TABLE?)
S44	1	RD S43 (unique items)
S45	0	S38(S)S2
S46	5	S15 AND S1
S47	4	S46 NOT (S43 OR S27 OR S23)
S48	2	RD S47 (unique items)

23/3,K/1   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

08304280   Supplier Number: 69237742   (USE FORMAT 7 FOR FULLTEXT)
Programmable Cable Modems Get a Boost.(Technology Information)
BERNATH, BRETT
Electronic News (1991), v46, n43, p30
Oct 23, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1553

...   future, there will be additional opportunities to exploit the
superior performance and flexibility of software **MAC** architectures.
Processing is becoming more and more decentralized, and as the cost of
processors continues...

...continue to go up. By continuing to refine this data flow management
software in a **programmable MAC** architecture, the **cable   modem** can
become the first product platform with the potential to be a true,
high-performance...

23/3,K/2   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

08278186   Supplier Number: 69956365   (USE FORMAT 7 FOR FULLTEXT)
Conexant First to Combine Interactive Television Capability and Broadband
   Internet Connectivity in Single-Chip Solution.
Business Wire, p2018
Feb 5, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1238

...   media access controller (MAC) to accommodate new standards.
     The CX24420 leverages the company's extensive **cable - modem**
portfolio, particularly its **programmable MAC** technology. Conexant's
success and pedigree in DOCSIS and DVB/DAVIC **MAC** technology provided a
strong foundation for the development of the chip, which helps customers
develop...

23/3,K/3   (Item 3 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

07952160   Supplier Number: 66432387   (USE FORMAT 7 FOR FULLTEXT)
Conexant and Liberate to Bring Complete Digital Set-Top Box Platforms to
   Market; Combined Solution to Speed Time-to-Market for Network Operators.
Business Wire, p2029
Oct 30, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1033

...   s comprehensive set-top box IC portfolio includes silicon tuners
and demodulators, a single-chip **programmable   cable   modem** , dial-up and

digital subscriber line (DSL) modems, home-networking technologies and
single-chip, back-end solutions with a high-performance CPU, 2D rendering
engine, **MPEG** -2 audio/video decoder and programmable demultiplexer.
      These products enable set-top box platforms that...

   23/3,K/4   (Item 4 from file: 16)

07470320   Supplier Number: 62789007 (USE FORMAT 7 FOR FULLTEXT)
**Conexant Releases Industry's First Complete Solution for Developing
  Broadband Access Gateway Products for the European Market.**
Business Wire, p2060
June 19, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1135

...   less costly and more power-efficient than alternative digital
cable-modem solutions.
      Conexant's unique **programmable   cable** - **modem** architecture also
improves system performance as compared with full-hardware solutions, since
its software-based media access control (**MAC**) layer enables cable-modem
functionality to be distributed more efficiently among a number of
processing...

   23/3,K/5   (Item 1 from file: 20)

18877179 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Conexant's Single-Chip Cable Modem Solution Achieves Euro-DOCSIS 1.0
   Certification**
BUSINESS WIRE
September 18, 2001
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 715

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   the industry's first single-chip cable modem, with a software
programmable Media   Access Controller (**MAC**) feature, to receive
Euro-DOCSIS approval.
      "Securing Euro-DOCSIS certification reinforces our commitment to
supporting...

...The complete solution includes Conexant's CN9414 single-chip cable modem
integrated circuit (IC), programmable **MAC** , and complete Euro-DOCSIS
software application.
      Conexant's cable-modem portfolio is designed for global...

   23/3,K/6   (Item 2 from file: 20)

11559880 (USE FORMAT 7 OR 9 FOR FULLTEXT)
CONEXANT SYSTEMS: Conexant releases industry's first complete solution for

developing broadband access gateway products for the European market;
Co-developed with Cisco, Conexant's complete reference design includes a
single-chip cable modem and associate
M2 PRESSWIRE
June 19, 2000
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1153

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   system performance as compared to full-hardware solutions, since
its software-based media access control (**MAC**) layer enables cable-modem
functionality to be distributed more efficiently among a number of
processing...

 23/3,K/7   (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08753413 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**CISCO SYSTEMS: Cisco and Conexant to jointly develop cable modems for
   Europe and other worldwide markets**
M2 PRESSWIRE
December 16, 1999
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 777

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   Cisco's expertise in interactive network adaptor (INA) systems and
DVB cable media access control (**MAC**) technology. It will comply with the
latest DVB and DAVIC standards supported by leading multiple...

... customise feature sets, support new standards, or migrate to future
capabilities such as Internet Protocol (**IP**) telephony and home
networking.
   Cisco and Conexant expect to release their jointly developed reference
design...

 23/3,K/8   (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08742199 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Cisco and Conexant to Jointly Develop Cable Modems for Europe, China,
   Australia, Latin America and Other Worldwide Markets**
CANADIAN CORPORATE NEWS
December 15, 1999
JOURNAL CODE: WCCN   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 801

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

....   Cisco's expertise in interactive network adaptor (INA) systems and
DVB cable media access control (**MAC**) technology. It will comply with the
latest DVB and DAVIC standards supported by leading multiple...

23/3,K/9   (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08604078 (USE FORMAT 7 OR 9 FOR FULLTEXT)
CONEXANT SYSTEMS: Conexant adds miniature single- chip silicon tuner to programmable cable modem soln
M2 PRESSWIRE
December 07, 1999
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1154

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   via on-line software upgrades of the cable-modem chip's
programmable Media Access Control (**MAC**) layer.
     "With our CN2811 silicon tuner, we've taken another major step toward
enabling much...

23/3,K/10   (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08570700 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Conexant Adds Miniature Single-Chip Silicon Tuner to Its Programmable Cable Modem Solution
BUSINESS WIRE
December 06, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1254

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   standards via online software upgrades of the cable-modem chip's
programmable Media Access Control (**MAC**) layer.
     "With our CN2811 silicon tuner, we've taken another major step toward
enabling much...

23/3,K/11   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

04829084   Supplier Number: 64332626 (USE FORMAT 7 FOR FULLTEXT)
Conexant adds miniature single- chip silicon tuner to programmable cable modem soln.
M2 Presswire, pNA
Dec 7, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1229

...   for high-speed Internet access. It will be sold together with
Conexant's single-chip, **programmable cable modem** to create a
complete system solution that is up to 25 percent less costly and...

...support new feature sets and evolving industry standards via on-line
software upgrades of the **cable - modem** chip's **programmable** Media Access
Control (**MAC**) layer.

"With our CN2811 silicon tuner, we've taken another major step
toward enabling much...

 23/3,K/12   **(Item 2 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

04512145   Supplier Number: 58291637   (USE FORMAT 7 FOR FULLTEXT)
**CISCO SYSTEMS: Cisco and Conexant to jointly develop ca cable modems for
  Europe and other worldwide markets.**
M2 Presswire, pNA
Dec 16, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 823

.1.   Audio Video Council (DAVIC)
     The reference design is based on Conexant's single-chip InfoSurge
programmable   cable   modem solution, and draws upon Cisco's expertise in
interactive network adaptor (INA) systems and DVB cable media access
control (**MAC**) technology. It will comply with the latest DVB and DAVIC
standards supported by leading multiple...cable modems. Conexant this year
was the first semiconductor vendor to offer a single-chip, **programmable
cable   modem** solution that supports both DVB/DAVIC standards and ECCA
Euromodem functionality. Manufacturers who use the...customise feature
sets, support new standards, or migrate to future capabilities such as
Internet Protocol (**IP**) telephony and home networking.
     Cisco and Conexant expect to release their jointly developed
reference design...

 23/3,K/13   **(Item 1 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01228265   CMP ACCESSION NUMBER: EET20001211S0084
Creating a broadband digital home
Alberto Mantovani, Division Director, Small Business and Consumer
    Networking, Personal Computing Division, Conexant Systems Inc., San
    Jose, Calif.
ELECTRONIC ENGINEERING TIMES, 2000, n 1144, PG107
PUBLICATION DATE: 001211
JOURNAL CODE: EET   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: COMMUNICATIONS - FOCUS: HIGH-SPEED CONNECTIVITY
WORD COUNT: 1833

...   video broadcast (DVB) and EuroDocsis are well-established
alternatives in this market.

 Fundamentally, a programmable **MAC** implementation consists of a
processor, memory and various hardware coprocessors used to both process
the data and move it through the system. As pioneered in Conexant's
InfoSurge **programmable** single-chip **cable   modem** , the software **MAC**
architecture is partitioned so that hardware performs computationally
intensive operations on data while moving the data through the system. The
 MAC software handles the control functions, manages the data flow and
executes any other functions that...

...change in the future. Even though embedded processor performance has improved, companies have customized the **MAC** processor to optimize data flow through the cable modem and to eliminate wasted processor bandwidth ...

?

29/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1933887 Supplier Number: 01933887   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Telecom Roundup - Phasecom Demos SpeedDemon Cable Modem Sys
(Phasecom demonstrates its SpeedDemon residential cable modem system to
  Cable Television Laboratories)
Newsbytes News Network, p N/A
August 25, 1997
DOCUMENT TYPE: Journal ISSN: 0983-1592   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 180

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Staff. Cable TV network developer Phasecom Inc. said it recently
demonstrated its existing SpeedDemon residential **cable** **modem** system to
Cable Television Laboratories, Inc. (CableLabs). The demonstration was the
first step toward introducing a Multimedia Cable Network Systems
(MCNS)-compliant interoperable residential **cable** **modem** system later
this year. Phasecom said it is actively working with CableLabs and the rest
of the **cable** **modem** vendor community to offer interoperable cable
modems. SpeedDemon is an asymmetric and frequency agile **cable** **modem**
employing Quadrature Amplitude Modulation (QAM) for the downstream and
Quaternary Phase Shift Keying (QPSK) for the upstream. The system employs
TDMA (Time Division **Multiple** Access). Ethernet **frames** carrying Internet
protocol (IP) traffic received are encapsulated in Motion Pictures Experts
Group-2 (MPEG...

 29/3,K/2   (Item 2 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1699910 Supplier Number: 01699910   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Adapt to thrive
(Lucent Technologies is leading equipment supplier with revenues of $18.4
  bil; Motorola rose to second with revenues of $16.2 bil)
CommunicationsWeek International, n 175, p 22+
November 25, 1996
DOCUMENT TYPE: Journal; Ranking ISSN: 1042-6086   (France)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1830

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...an Internet/Telecom Business Unit alongside its Enterprise Business
Unit, and this year it acquired **cable** **modem** maker LANcity and the modem
unit of Penril Datacomm Networks to get into the hot...

...million in revenues), has successfully levered its enterprise
multiplexer base into the carrier ATM and **frame** relay **sectors** .

But no enterprise vendor is as aggressive as Cisco, which now rubs elbows
with the...

29/3,K/3   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

06530986   Supplier Number: 55322303   (USE FORMAT 7 FOR FULLTEXT)
**Atlas Communication Engines Announces New Version of the Atlas
   Communication Operating System - Revolutionary New RTOS For OEM
   Internetworking Equipment.**
Business Wire, p0462
August 2, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 521

...   Applications include Integrated Access Devices (IADs), web servers,
ATM access concentrators, mini DSLAMs, wireless or **cable   modem** network
platforms, VPN routers, voice over IP/ATM gateways, set top boxes, etc. The
latest version of ACOS will offer support for Frame Relay, **Frame**
Relay/ATM interworking, **multiple** virtual connections, SNMP management and
advanced API management.
     "The Diamond Internetworking System represents the next...

29/3,K/4   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05199369   Supplier Number: 47933015   (USE FORMAT 7 FOR FULLTEXT)
Telecom Roundup - Phasecom Demos SpeedDemon Cable Modem Sys 08/25/97
Newsbytes, pN/A
August 25, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 187

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Staff. Cable TV network developer Phasecom Inc. said it recently
demonstrated its existing SpeedDemon residential **cable   modem** system
toCable Television Laboratories, Inc. (CableLabs). The demonstration was
the first step toward introducing a Multimedia Cable Network Systems
(MCNS)-compliant interoperable residential **cable   modem** system later
this year. Phasecom said it is actively working with CableLabs and the rest
of the **cable   modem** vendor community to offer interoperable cable
modems. SpeedDemon is an asymmetric and frequency agile **cable   modem**
employing Quadrature Amplitude Modulation (QAM) for the downstream and
Quaternary Phase Shift Keying (QPSK) for the upstream. The system employs
TDMA (Time Division **Multiple** Access). Ethernet **frames** carrying Internet
protocol (IP) traffic received are encapsulated in Motion Pictures Experts
Group-2 (MPEG...

29/3,K/5   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05193897   Supplier Number: 47925694   (USE FORMAT 7 FOR FULLTEXT)
**Phasecom To Launch Prototype Interoperable, MCNS Compliant Residential
   Cable Modem at WCS '97; Phasecom Demonstrates SpeedDemon Residential
   Cable Modem System to CableLabs.**

Business Wire, p8221037
August 22, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 324

...   cable modem vendor community toward interoperable cable modems.
        SpeedDemon is an asymmetric and frequency agile **cable   modem**
employing Quadrature Amplitude Modulation (QAM) for the downstream and
Quaternary Phase Shift Keying (QPSK) for the upstream. The system employs
TDMA (Time Division **Multiple** Access). Ethernet **frames** carrying IP
traffic received are encapsulated in MPEG-2 frames and transmitted in the
downstream...

 29/3,K/6   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02328003   SUPPLIER NUMBER: 55670568   (USE FORMAT 7 OR 9 FOR FULL TEXT)
A NEW VERSION OF A COMMUNICATIONS OPERATING SYSTEM.(from Atlas
   Communications Engines)(Product Announcement)
Teleconnect, 17, 9, 20
Sept, 1999
DOCUMENT TYPE: Product Announcement   ISSN: 0740-9354   LANGUAGE:
   English   RECORD TYPE: Fulltext
WORD COUNT: 185   LINE COUNT: 00019

...   applications include integrated access devices (IADs), Web servers,
ATM access concentrators, mini DSLAMs, wireless or **cable   modem** network
platforms, VPN routers, voice over IP/ATM gateways, set-top boxes, etc. The
latest version of ACOS will offer support for frame relay, **frame**
relay/ATM interworking, **multiple** virtual connections, SNMP management,
and advanced API management.
        An interesting new feature is the addition...
?

44/3,K/1 **(Item 1 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB

11006013   SUPPLIER NUMBER: 54436312   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEW MEDIA.(News Briefs)
Communications Daily, 19, 76, NA
April 21, 1999
ISSN: 0277-0679   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1027   LINE COUNT: 00086

TEXT:
     ...Systems introduced Tues. first integration of Data Over Cable
Service Interface Specification (DOCSIS) 1.1 **cable   modem** with router to
deliver Internet Protocol (IP) telephony. CableLabs hasn't finished
drafting DOCSIS 1...

...provide quality of service for voice traffic over shared cable
infrastructure, but Cisco said partnered **cable   modem** and router will
allow company to test early DOCSIS 1.1 standards. AtHome Network launched
...
?

48/3,K/1   (Item 1 from file: 15)

02650202 411405421
LAN of the free
Marshall, Anne; **Brooks, Joel**
CA Magazine v136n7 PP: 24-27 Sep 2003
ISSN: 0317-6878   JRNL CODE: CCA
WORD COUNT: 1713

... Brooks, Joel
...TEXT: a home WLAN, the hub would typically be connected to the digital
subscriber line or **cable   modem** from the Internet service provider via
an Ethernet cable. For larger implementations, the building blocks...

48/3,K/2   (Item 1 from file: 148)

13393589   SUPPLIER NUMBER: 69237742   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Programmable Cable Modems Get a Boost.(Technology Information)
BERNATH, BRETT
Electronic News (1991), 46, 43, 30
Oct 23, 2000
ISSN: 1061-6624   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1553   LINE COUNT: 00135

BERNATH, BRETT

TEXT:
     THE DIGITAL **CABLE   MODEM** has emerged as one of the most promising
product platforms in the broadband connectivity arena. As this new market
quickly takes shape, it has become increasingly clear that **cable   modem**
manufacturers will require significant levels of system integration and
flexibility in order to navigate a...
     As **cable - modem** standards, market requirements and technologies
evolve, one of the biggest challenges is in the design...

...and host-based cable modems.
     For example, PCI, USB, and VoIP implementations will require the
cable - modem device to support advanced Layer 2 and Layer 3
bridging/routing to a variety of...

...and applications. Applications such as games or Web browsers could also
be executed on the **cable   modem** acting as a network computer, but this
will require application-dependent Layer 4-7 filtering...

...voice and other types of traffic that require quality of service will
necessitate that the **cable   modem** receive, prioritize, and forward
traffic at line rate. Because a programmable broadband MAC is flexible...

...MAC architecture also helps designers serve worldwide markets with a
single platform. More and more **cable   modem** suppliers must
simultaneously support evolving U.S. DOCSIS standards as well as the
DVB,DAVIC...

...performance has improved, companies have customized the MAC processor to
optimize data flow through the **cable   modem** and to eliminate wasted

processor bandwidth.

Performance and flexibility are the key benefits of a...is easy to modify the programmable MAC's logic to reroute voice data within the **cable - modem** device to a DSP, with minimal performance impact. In contrast, a hardware solution would typically...

...within an embedded controller, concurrent with its existing application software. The result is significantly reduced **cable modem** performance.

Broadband Evolution

Cable modems and other broadband devices will continue to perform more and more functions and applications...

...By continuing to refine this data flow management software in a programmable MAC architecture, the **cable modem** can become the first product platform with the potential to be a true, high-performance...

?